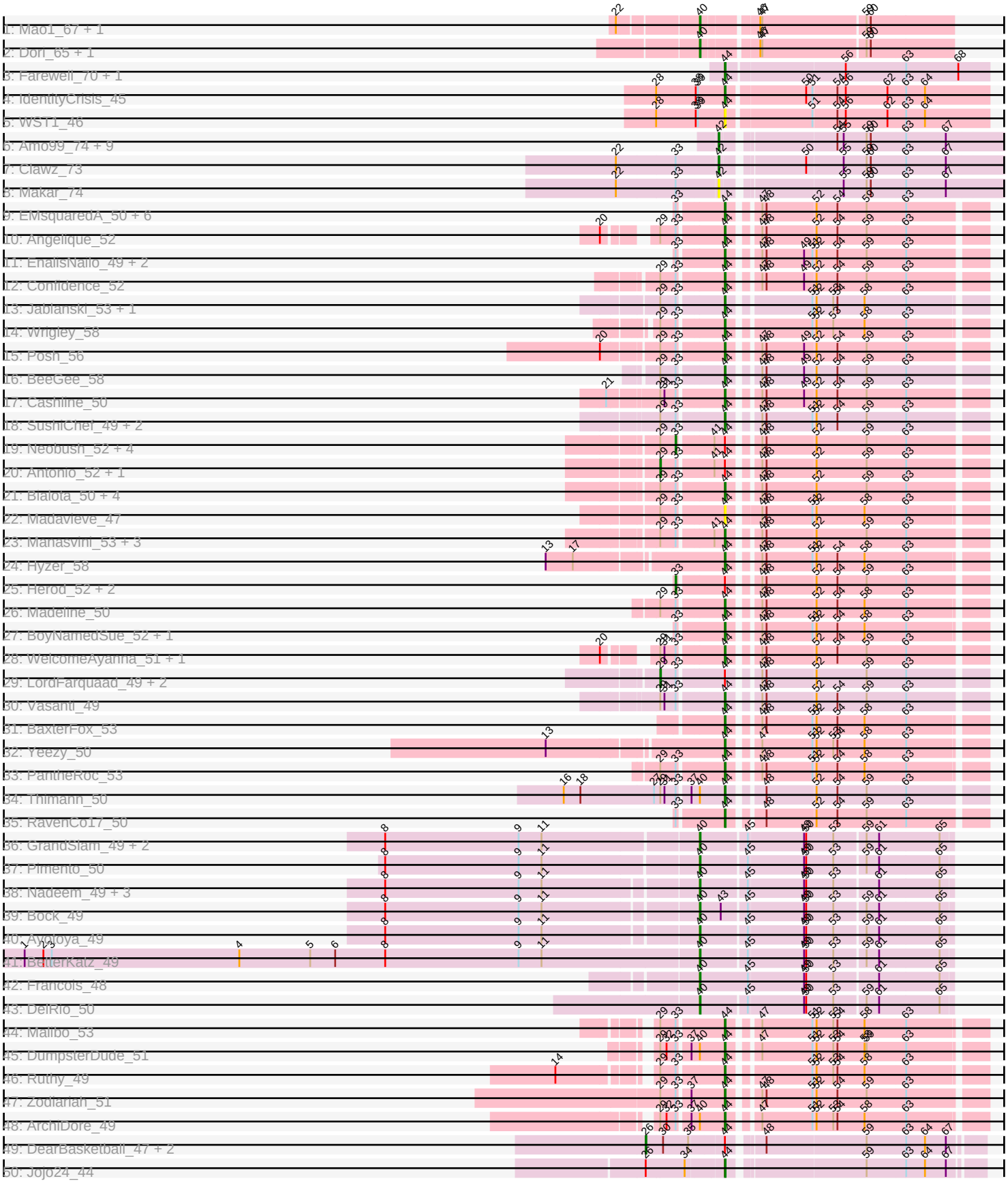
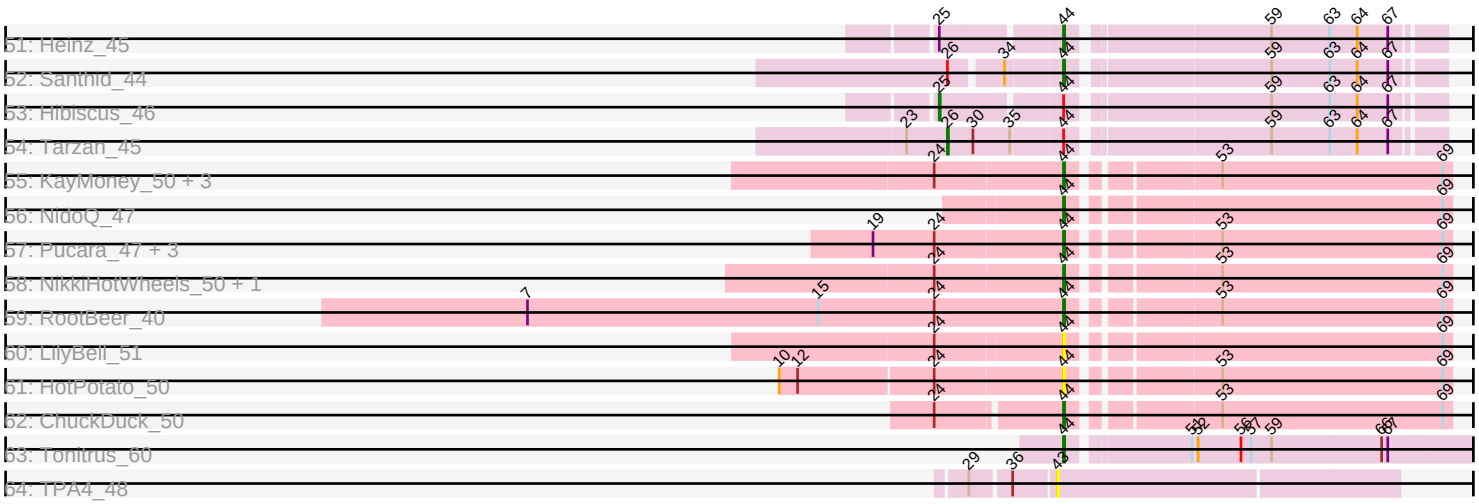
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1: Mao1_67 + 1
2: Dori_65 + 1
3: Farewell_70 + 1
4: IdentityCrisis_45
5: WST1_46
6: Amo99_74 + 9
7: Clawz_73
8: Makar_74
9: EMsquaredA_50 + 6
10: Angelique_52
11: EnaitsNallo_49 + 2
12: Confidence_52
13: Jablanski_53 + 1
14: Wrigley_58
15: Posh_56
16: BeeGee_58
17: Cashline_50
18: SushiChef_49 + 2
19: Neobush_52 + 4
20: Antonio_52 + 1
21: Bialota_50 + 4
22: Madavieve_47
23: Manasvini_53 + 3
24: Hyzer_58
25: Herod_52 + 2
26: Madeline_50
27: BoyNamedSue_52 + 1
28: WelcomeAyanna_51 + 1
29: LordFarquaad_49 + 2
30: Vasanti_49
31: BaxterFox_53
32: Yeezy_50
33: PantheRoc_53
34: Thimann_50
35: RavenC017_50
36: GrandSlam_49 + 2
37: Pimento_50
38: Nadeem_49 + 3
39: Bock_49
40: Ayaloya_49
41: BatterKatz_49
42: Francois_48
43: DelRio_50
44: Malibo_53
45: DumpsterDude_51
46: Ruthy_49
47: Zodiarian_51
48: ArchiDore_49
49: DearBasketball_47 + 2
50: Jojo24_44

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51: Heinz_45
52: Santhid_44
53: Hibiscus_46
54: Tarzan_45
55: KayMoney_50 + 3
56: NiddQ_47
57: Pucara_47 + 3
58: NikkiHotWheels_50 + 1
59: RootBeer_40
60: LilyBell_51
61: HotPotato_50
62: ChuckDuck_50
63: Tonitrus_60
64: TPA4_48

Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 347406 Report

This analysis was run 11/14/26 on database version 672.

Pham number 347406 has 119 members, 17 are drafts.

Phages represented in each track:
- Track 1 : Mao1_67, Phayonce_49
- Track 2 : Dori_65, Mask_65
- Track 3 : Farewell_70, Sparky_69
- Track 4 : IdentityCrisis_45
- Track 5 : WST1_46
- Track 6 : Amo99_74, Sting_72, Jollymon_73, Purplicious_72, Stillion_72, KingstonB_71, Grumio_73, DonTron_73, ColdSoup_74, Soos_69
- Track 7 : Clawz_73
- Track 8 : Makar_74
- Track 9 : EMsquaredA_50, Bradissa_49, Eviarto_53, Marteena_49, Lilas_51, Hugley_49, TimTam_53
- Track 10 : Angelique_52
- Track 11 : EnalisNailo_49, Pollux_52, Floral_50
- Track 12 : Confidence_52
- Track 13 : Jablanski_53, Pytheas_53
- Track 14 : Wrigley_58
- Track 15 : Posh_56
- Track 16 : BeeGee_58
- Track 17 : Cashline_50
- Track 18 : SushiChef_49, Maridalia_53, Bunnybear_45
- Track 19 : Neobush_52, Suscepit_52, Trumpet_52, Tayonia_52, Zameen_52
- Track 20 : Antonio_52, Kita_53
- Track 21 : Bialota_50, Pickett_45, Yeet412_47, Zirinka_49, EdnaMode_46
- Track 22 : Madavieve_47
- Track 23 : Manasvini_53, Polly_49, Dillpickles_57, Eudoria_52
- Track 24 : Hyzer_58
- Track 25 : Herod_52, BatStarr_52, Nymphadora_53
- Track 26 : Madeline_50
- Track 27 : BoyNamedSue_52, AlumE_52
- Track 28 : WelcomeAyanna_51, ThankyouJordi_51
- Track 29 : LordFarquaad_49, SoilAssassin_47, Attis_47
- Track 30 : Vasanti_49
- Track 31 : BaxterFox_53
- Track 32 : Yeezy_50
- Track 33 : PantheRoc_53
- Track 34 : Thimann_50
- Track 35 : RavenCo17_50

• Track 36 : GrandSlam_49, Hamood_49, Chop_49
• Track 37 : Pimento_50
• Track 38 : Nadeem_49, Mulch_49, Parada_49, Brylie_49
• Track 39 : Bock_49
• Track 40 : Ayotoya_49
• Track 41 : BetterKatz_49
• Track 42 : Francois_48
• Track 43 : DelRio_50
• Track 44 : Malibo_53
• Track 45 : DumpsterDude_51
• Track 46 : Ruthy_49
• Track 47 : Zodiariah_51
• Track 48 : ArchiDore_49
• Track 49 : DearBasketball_47, DinoNuggs_45, Reyja_45
• Track 50 : Jojo24_44
• Track 51 : Heinz_45
• Track 52 : Santhid_44
• Track 53 : Hibiscus_46
• Track 54 : Tarzan_45
• Track 55 : KayMoney_50, LittleRon_47, Constance_50, Bridgette_52
• Track 56 : NidoQ_47
• Track 57 : Pucara_47, PeggyLeg03_50, Judy_53, GlobiWarming_52
• Track 58 : NikkiHotWheels_50, Henrique_50
• Track 59 : RootBeer_40
• Track 60 : LilyBell_51
• Track 61 : HotPotato_50
• Track 62 : ChuckDuck_50
• Track 63 : Tonitrus_60
• Track 64 : TPA4_48

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 44, it was called in 62 of the 102 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AlumE_52, Angelique_52, ArchiDore_49, BaxterFox_53, BeeGee_58, Bialota_50, BoyNamedSue_52, Bradissa_49, Bridgette_52, Bunnybear_45, Cashline_50, ChuckDuck_50, Confidence_52, Constance_50, Dillpickles_57, DumpsterDude_51, EMsquaredA_50, EdnaMode_46, EnalisNailo_49, Eudoria_52, Eviarto_53, Farewell_70, Floral_50, GlobiWarming_52, Heinz_45, Henrique_50, HotPotato_50, Hugley_49, Hyzer_58, IdentityCrisis_45, Jablanski_53, Jojo24_44, Judy_53, KayMoney_50, Lilas_51, LilyBell_51, LittleRon_47, Madavieve_47, Madeline_50, Malibo_53, Manasvini_53, Maridalia_53, Marteena_49, NidoQ_47, NikkiHotWheels_50, PantheRoc_53, PeggyLeg03_50, Pickett_45, Pollux_52, Polly_49, Posh_56, Pucara_47, Pytheas_53, RavenCo17_50, RootBeer_40, Ruthy_49, Santhid_44, Sparky_69, SushiChef_49, ThankyouJordi_51, Thimann_50, TimTam_53, Tonitrus_60, Vasanti_49, WST1_46, WelcomeAyanna_51, Wrigley_58, Yeet412_47, Yeezy_50, Zirinka_49, Zodiariah_51,

Genes that have the "Most Annotated" start but do not call it:
• Antonio_52, Attis_47, BatStarr_52, DearBasketball_47, DinoNuggs_45, Herod_52, Hibiscus_46, Kita_53, LordFarquaad_49, Neobush_52, Nymphadora_53, Reyja_45, SoilAssassin_47, Suscepit_52, Tarzan_45, Tayonia_52, Trumpet_52, Zameen_52,

Genes that do not have the "Most Annotated" start:
• Amo99_74, Ayotoya_49, BetterKatz_49, Bock_49, Brylie_49, Chop_49, Clawz_73, ColdSoup_74, DelRio_50, DonTron_73, Dori_65, Francois_48, GrandSlam_49, Grumio_73, Hamood_49, Jollymon_73, KingstonB_71, Makar_74, Mao1_67, Mask_65, Mulch_49, Nadeem_49, Parada_49, Phayonce_49, Pimento_50, Purplicious_72, Soos_69, Stillion_72, Sting_72, TPA4_48,

Summary by start number:

Start 25:
• Found in 2 of 119 (1.7%) of genes in pham
• Manual Annotations of this start: 1 of 102
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Hibiscus_46 (DY),

Start 26:
• Found in 6 of 119 (5.0%) of genes in pham
• Manual Annotations of this start: 2 of 102
• Called 66.7% of time when present
• Phage (with cluster) where this start called: DearBasketball_47 (DY), DinoNuggs_45 (DY), Reyja_45 (DY), Tarzan_45 (DY),

Start 29:
• Found in 43 of 119 (36.1%) of genes in pham
• Manual Annotations of this start: 5 of 102
• Called 11.6% of time when present
• Phage (with cluster) where this start called: Antonio_52 (CZ1), Attis_47 (CZ2), Kita_53 (CZ1), LordFarquaad_49 (CZ2), SoilAssassin_47 (CZ2),

Start 33:
• Found in 60 of 119 (50.4%) of genes in pham
• Manual Annotations of this start: 8 of 102
• Called 13.3% of time when present
• Phage (with cluster) where this start called: BatStarr_52 (CZ1), Herod_52 (CZ1), Neobush_52 (CZ1), Nymphadora_53 (CZ1), Suscepit_52 (CZ1), Tayonia_52 (CZ1), Trumpet_52 (CZ1), Zameen_52 (CZ1),

Start 40:
• Found in 20 of 119 (16.8%) of genes in pham
• Manual Annotations of this start: 17 of 102
• Called 85.0% of time when present
• Phage (with cluster) where this start called: Ayotoya_49 (DI), BetterKatz_49 (DI), Bock_49 (DI), Brylie_49 (DI), Chop_49 (DI), DelRio_50 (DI), Dori_65 (AD), Francois_48 (DI), GrandSlam_49 (DI), Hamood_49 (DI), Mao1_67 (AD), Mask_65 (AD), Mulch_49 (DI), Nadeem_49 (DI), Parada_49 (DI), Phayonce_49 (P5), Pimento_50 (DI),

Start 42:

• Found in 12 of 119 (10.1%) of genes in pham
• Manual Annotations of this start: 7 of 102
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Amo99_74 (CP), Clawz_73 (CP), ColdSoup_74 (CP), DonTron_73 (CP), Grumio_73 (CP), Jollymon_73 (CP), KingstonB_71 (CP), Makar_74 (CP), Purplicious_72 (CP), Soos_69 (CP), Stillion_72 (CP), Sting_72 (CP),

Start 43:
• Found in 2 of 119 (1.7%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: TPA4_48 (singleton),

Start 44:
• Found in 89 of 119 (74.8%) of genes in pham
• Manual Annotations of this start: 62 of 102
• Called 79.8% of time when present
• Phage (with cluster) where this start called: AlumE_52 (CZ1), Angelique_52 (CY1), ArchiDore_49 (DW), BaxterFox_53 (CZ3), BeeGee_58 (CY5), Bialota_50 (CZ1), BoyNamedSue_52 (CZ1), Bradissa_49 (CY1), Bridgette_52 (FA), Bunnybear_45 (CZ), Cashline_50 (CY6), ChuckDuck_50 (FA), Confidence_52 (CY1), Constance_50 (FA), Dillpickles_57 (CZ1), DumpsterDude_51 (DW), EMsquaredA_50 (CY1), EdnaMode_46 (CZ2), EnalisNailo_49 (CY1), Eudoria_52 (CZ1), Eviarto_53 (CZ1), Farewell_70 (AF), Floral_50 (CY1), GlobiWarming_52 (FA), Heinz_45 (DY), Henrique_50 (FA), HotPotato_50 (FA), Hugley_49 (CZ1), Hyzer_58 (CZ1), IdentityCrisis_45 (AJ), Jablanski_53 (CY3), Jojo24_44 (DY), Judy_53 (FA), KayMoney_50 (FA), Lilas_51 (CY1), LilyBell_51 (FA), LittleRon_47 (FA), Madavieve_47 (CZ1), Madeline_50 (CZ1), Malibo_53 (DW), Manasvini_53 (CZ1), Maridalia_53 (CZ1), Marteena_49 (CY1), NidoQ_47 (FA), NikkiHotWheels_50 (FA), PantheRoc_53 (CZ3), PeggyLeg03_50 (FA), Pickett_45 (CZ2), Pollux_52 (CY1), Polly_49 (CZ1), Posh_56 (CY4), Pucara_47 (FA), Pytheas_53 (CY3), RavenCo17_50 (CZ8), RootBeer_40 (FA), Ruthy_49 (DW), Santhid_44 (DY), Sparky_69 (AF), SushiChef_49 (CZ), ThankyouJordi_51 (CZ1), Thimann_50 (CZ4), TimTam_53 (CZ1), Tonitrus_60 (singleton), Vasanti_49 (CZ2), WST1_46 (AJ), WelcomeAyanna_51 (CZ1), Wrigley_58 (CY4), Yeet412_47 (CZ2), Yeezy_50 (CZ3), Zirinka_49 (CZ1), Zodiariah_51 (DW),

Summary by clusters:

There are 21 clusters represented in this pham: CY3, CZ8, AJ, CY6, CY5, DI, CZ2, CZ3, CZ1, CY1, CZ4, FA, CY4, DY, CZ, DW, singleton, CP, AF, P5, AD,

Info for manual annotations of cluster AD:
•Start number 40 was manually annotated 3 times for cluster AD.

Info for manual annotations of cluster AF:
•Start number 44 was manually annotated 2 times for cluster AF.

Info for manual annotations of cluster AJ:
•Start number 44 was manually annotated 1 time for cluster AJ.

Info for manual annotations of cluster CP:

•Start number 42 was manually annotated 7 times for cluster CP.

Info for manual annotations of cluster CY1:
•Start number 44 was manually annotated 9 times for cluster CY1.

Info for manual annotations of cluster CY3:
•Start number 44 was manually annotated 2 times for cluster CY3.

Info for manual annotations of cluster CY4:
•Start number 44 was manually annotated 2 times for cluster CY4.

Info for manual annotations of cluster CY5:
•Start number 44 was manually annotated 1 time for cluster CY5.

Info for manual annotations of cluster CY6:
•Start number 44 was manually annotated 1 time for cluster CY6.

Info for manual annotations of cluster CZ:
•Start number 44 was manually annotated 1 time for cluster CZ.

Info for manual annotations of cluster CZ1:
•Start number 29 was manually annotated 2 times for cluster CZ1.
•Start number 33 was manually annotated 8 times for cluster CZ1.
•Start number 44 was manually annotated 14 times for cluster CZ1.

Info for manual annotations of cluster CZ2:
•Start number 29 was manually annotated 3 times for cluster CZ2.
•Start number 44 was manually annotated 4 times for cluster CZ2.

Info for manual annotations of cluster CZ3:
•Start number 44 was manually annotated 3 times for cluster CZ3.

Info for manual annotations of cluster CZ4:
•Start number 44 was manually annotated 1 time for cluster CZ4.

Info for manual annotations of cluster CZ8:
•Start number 44 was manually annotated 1 time for cluster CZ8.

Info for manual annotations of cluster DI:
•Start number 40 was manually annotated 13 times for cluster DI.

Info for manual annotations of cluster DW:
•Start number 44 was manually annotated 5 times for cluster DW.

Info for manual annotations of cluster DY:
•Start number 25 was manually annotated 1 time for cluster DY.
•Start number 26 was manually annotated 2 times for cluster DY.
•Start number 44 was manually annotated 3 times for cluster DY.

Info for manual annotations of cluster FA:
•Start number 44 was manually annotated 11 times for cluster FA.

Info for manual annotations of cluster P5:

•Start number 40 was manually annotated 1 time for cluster P5.

Gene Information:

Gene: AlumE_52 Start: 37713, Stop: 38051, Start Num: 44
Candidate Starts for AlumE_52:
(Start: 33 @37653 has 8 MA's), (Start: 44 @37713 has 62 MA's), (47, 37746), (48, 37752), (51, 37818), (52, 37821), (54, 37851), (58, 37890), (63, 37947),

Gene: Amo99_74 Start: 48498, Stop: 48875, Start Num: 42
Candidate Starts for Amo99_74:
(Start: 42 @48498 has 7 MA's), (54, 48642), (55, 48651), (59, 48684), (60, 48690), (63, 48738), (67, 48795),

Gene: Angelique_52 Start: 38928, Stop: 39269, Start Num: 44
Candidate Starts for Angelique_52:
(20, 38796), (Start: 29 @38847 has 5 MA's), (Start: 33 @38868 has 8 MA's), (Start: 44 @38928 has 62 MA's), (47, 38961), (48, 38967), (52, 39036), (54, 39066), (59, 39108), (63, 39162),

Gene: Antonio_52 Start: 36902, Stop: 37324, Start Num: 29
Candidate Starts for Antonio_52:
(Start: 29 @36902 has 5 MA's), (Start: 33 @36923 has 8 MA's), (41, 36968), (Start: 44 @36983 has 62 MA's), (47, 37016), (48, 37022), (52, 37091), (59, 37163), (63, 37217),

Gene: ArchiDore_49 Start: 38018, Stop: 38356, Start Num: 44
Candidate Starts for ArchiDore_49:
(Start: 29 @37937 has 5 MA's), (32, 37946), (Start: 33 @37958 has 8 MA's), (37, 37973), (Start: 40 @37982 has 17 MA's), (Start: 44 @38018 has 62 MA's), (47, 38051), (51, 38123), (52, 38126), (53, 38150), (54, 38156), (58, 38195), (63, 38252),

Gene: Attis_47 Start: 34035, Stop: 34457, Start Num: 29
Candidate Starts for Attis_47:
(Start: 29 @34035 has 5 MA's), (Start: 33 @34056 has 8 MA's), (Start: 44 @34116 has 62 MA's), (47, 34149), (48, 34155), (52, 34224), (59, 34296), (63, 34350),

Gene: Ayotoya_49 Start: 36009, Stop: 36353, Start Num: 40
Candidate Starts for Ayotoya_49:
(8, 35574), (9, 35766), (11, 35799), (Start: 40 @36009 has 17 MA's), (45, 36072), (49, 36150), (50, 36153), (53, 36192), (59, 36234), (61, 36252), (65, 36336),

Gene: BatStarr_52 Start: 38896, Stop: 39297, Start Num: 33
Candidate Starts for BatStarr_52:
(Start: 33 @38896 has 8 MA's), (Start: 44 @38956 has 62 MA's), (47, 38989), (48, 38995), (52, 39064), (54, 39094), (59, 39136), (63, 39190),

Gene: BaxterFox_53 Start: 38788, Stop: 39126, Start Num: 44
Candidate Starts for BaxterFox_53:
(Start: 44 @38788 has 62 MA's), (47, 38821), (48, 38827), (51, 38893), (52, 38896), (54, 38926), (58, 38965), (63, 39022),

Gene: BeeGee_58 Start: 38868, Stop: 39209, Start Num: 44

Candidate Starts for BeeGee_58:
(Start: 29 @38787 has 5 MA's), (Start: 33 @38808 has 8 MA's), (Start: 44 @38868 has 62 MA's), (47, 38901), (48, 38907), (49, 38961), (52, 38976), (54, 39006), (59, 39048), (63, 39102),

Gene: BetterKatz_49 Start: 35495, Stop: 35839, Start Num: 40
Candidate Starts for BetterKatz_49:
(1, 34529), (2, 34556), (3, 34568), (4, 34838), (5, 34940), (6, 34976), (8, 35048), (9, 35240), (11, 35273), (Start: 40 @35495 has 17 MA's), (45, 35558), (49, 35636), (50, 35639), (53, 35678), (59, 35720), (61, 35738), (65, 35822),

Gene: Bialota_50 Start: 37615, Stop: 37956, Start Num: 44
Candidate Starts for Bialota_50:
(Start: 29 @37534 has 5 MA's), (Start: 33 @37555 has 8 MA's), (Start: 44 @37615 has 62 MA's), (47, 37648), (48, 37654), (52, 37723), (59, 37795), (63, 37849),

Gene: Bock_49 Start: 35232, Stop: 35576, Start Num: 40
Candidate Starts for Bock_49:
(8, 34797), (9, 34989), (11, 35022), (Start: 40 @35232 has 17 MA's), (43, 35262), (45, 35295), (49, 35373), (50, 35376), (53, 35415), (59, 35457), (61, 35475), (65, 35559),

Gene: BoyNamedSue_52 Start: 37713, Stop: 38051, Start Num: 44
Candidate Starts for BoyNamedSue_52:
(Start: 33 @37653 has 8 MA's), (Start: 44 @37713 has 62 MA's), (47, 37746), (48, 37752), (51, 37818), (52, 37821), (54, 37851), (58, 37890), (63, 37947),

Gene: Bradissa_49 Start: 38078, Stop: 38419, Start Num: 44
Candidate Starts for Bradissa_49:
(Start: 33 @38018 has 8 MA's), (Start: 44 @38078 has 62 MA's), (47, 38111), (48, 38117), (52, 38186), (54, 38216), (59, 38258), (63, 38312),

Gene: Bridgette_52 Start: 33338, Stop: 33688, Start Num: 44
Candidate Starts for Bridgette_52:
(24, 33215), (Start: 44 @33338 has 62 MA's), (53, 33464), (69, 33680),

Gene: Brylie_49 Start: 35279, Stop: 35623, Start Num: 40
Candidate Starts for Brylie_49:
(8, 34844), (9, 35036), (11, 35069), (Start: 40 @35279 has 17 MA's), (45, 35342), (49, 35420), (50, 35423), (53, 35462), (61, 35522), (65, 35606),

Gene: Bunnybear_45 Start: 35410, Stop: 35751, Start Num: 44
Candidate Starts for Bunnybear_45:
(Start: 29 @35329 has 5 MA's), (Start: 33 @35350 has 8 MA's), (Start: 44 @35410 has 62 MA's), (47, 35443), (48, 35449), (51, 35515), (52, 35518), (54, 35548), (59, 35590), (63, 35644),

Gene: Cashline_50 Start: 38219, Stop: 38560, Start Num: 44
Candidate Starts for Cashline_50:
(21, 38072), (Start: 29 @38138 has 5 MA's), (31, 38144), (Start: 33 @38159 has 8 MA's), (Start: 44 @38219 has 62 MA's), (47, 38252), (48, 38258), (49, 38312), (52, 38327), (54, 38357), (59, 38399), (63, 38453),

Gene: Chop_49 Start: 35762, Stop: 36106, Start Num: 40
Candidate Starts for Chop_49:

(8, 35321), (9, 35513), (11, 35546), (Start: 40 @35762 has 17 MA's), (45, 35825), (49, 35903), (50, 35906), (53, 35945), (59, 35987), (61, 36005), (65, 36089),

Gene: ChuckDuck_50 Start: 32348, Stop: 32698, Start Num: 44
Candidate Starts for ChuckDuck_50:
(24, 32234), (Start: 44 @32348 has 62 MA's), (53, 32474), (69, 32690),

Gene: Clawz_73 Start: 48376, Stop: 48753, Start Num: 42
Candidate Starts for Clawz_73:
(22, 48235), (Start: 33 @48319 has 8 MA's), (Start: 42 @48376 has 7 MA's), (50, 48478), (55, 48529), (59, 48562), (60, 48568), (63, 48616), (67, 48673),

Gene: ColdSoup_74 Start: 48579, Stop: 48956, Start Num: 42
Candidate Starts for ColdSoup_74:
(Start: 42 @48579 has 7 MA's), (54, 48723), (55, 48732), (59, 48765), (60, 48771), (63, 48819), (67, 48876),

Gene: Confidence_52 Start: 36375, Stop: 36716, Start Num: 44
Candidate Starts for Confidence_52:
(Start: 29 @36294 has 5 MA's), (Start: 33 @36315 has 8 MA's), (Start: 44 @36375 has 62 MA's), (47, 36408), (48, 36414), (49, 36468), (52, 36483), (54, 36513), (59, 36555), (63, 36609),

Gene: Constance_50 Start: 32973, Stop: 33323, Start Num: 44
Candidate Starts for Constance_50:
(24, 32850), (Start: 44 @32973 has 62 MA's), (53, 33099), (69, 33315),

Gene: DearBasketball_47 Start: 30767, Stop: 31201, Start Num: 26
Candidate Starts for DearBasketball_47:
(Start: 26 @30767 has 2 MA's), (30, 30791), (35, 30827), (Start: 44 @30869 has 62 MA's), (48, 30908), (59, 31049), (63, 31103), (64, 31130), (67, 31160),

Gene: DelRio_50 Start: 36473, Stop: 36817, Start Num: 40
Candidate Starts for DelRio_50:
(Start: 40 @36473 has 17 MA's), (45, 36536), (49, 36614), (50, 36617), (53, 36656), (59, 36698), (61, 36716), (65, 36800),

Gene: Dillpickles_57 Start: 37027, Stop: 37368, Start Num: 44
Candidate Starts for Dillpickles_57:
(Start: 29 @36946 has 5 MA's), (Start: 33 @36967 has 8 MA's), (41, 37012), (Start: 44 @37027 has 62 MA's), (47, 37060), (48, 37066), (52, 37135), (59, 37207), (63, 37261),

Gene: DinoNuggs_45 Start: 30436, Stop: 30870, Start Num: 26
Candidate Starts for DinoNuggs_45:
(Start: 26 @30436 has 2 MA's), (30, 30460), (35, 30496), (Start: 44 @30538 has 62 MA's), (48, 30577), (59, 30718), (63, 30772), (64, 30799), (67, 30829),

Gene: DonTron_73 Start: 48616, Stop: 48993, Start Num: 42
Candidate Starts for DonTron_73:
(Start: 42 @48616 has 7 MA's), (54, 48760), (55, 48769), (59, 48802), (60, 48808), (63, 48856), (67, 48913),

Gene: Dori_65 Start: 51304, Stop: 51642, Start Num: 40
Candidate Starts for Dori_65:

(Start: 40 @51304 has 17 MA's), (46, 51373), (47, 51376), (59, 51520), (60, 51526),

Gene: DumpsterDude_51 Start: 40243, Stop: 40581, Start Num: 44
Candidate Starts for DumpsterDude_51:
(Start: 29 @40162 has 5 MA's), (32, 40171), (Start: 33 @40183 has 8 MA's), (37, 40198), (Start: 40 @40207 has 17 MA's), (Start: 44 @40243 has 62 MA's), (47, 40276), (51, 40348), (52, 40351), (53, 40375), (54, 40381), (58, 40420), (59, 40423), (63, 40477),

Gene: EMsquaredA_50 Start: 36879, Stop: 37220, Start Num: 44
Candidate Starts for EMsquaredA_50:
(Start: 33 @36819 has 8 MA's), (Start: 44 @36879 has 62 MA's), (47, 36912), (48, 36918), (52, 36987), (54, 37017), (59, 37059), (63, 37113),

Gene: EdnaMode_46 Start: 32804, Stop: 33145, Start Num: 44
Candidate Starts for EdnaMode_46:
(Start: 29 @32723 has 5 MA's), (Start: 33 @32744 has 8 MA's), (Start: 44 @32804 has 62 MA's), (47, 32837), (48, 32843), (52, 32912), (59, 32984), (63, 33038),

Gene: EnalisNailo_49 Start: 37591, Stop: 37932, Start Num: 44
Candidate Starts for EnalisNailo_49:
(Start: 33 @37531 has 8 MA's), (Start: 44 @37591 has 62 MA's), (47, 37624), (48, 37630), (49, 37684), (51, 37696), (52, 37699), (54, 37729), (59, 37771), (63, 37825),

Gene: Eudoria_52 Start: 36983, Stop: 37324, Start Num: 44
Candidate Starts for Eudoria_52:
(Start: 29 @36902 has 5 MA's), (Start: 33 @36923 has 8 MA's), (41, 36968), (Start: 44 @36983 has 62 MA's), (47, 37016), (48, 37022), (52, 37091), (59, 37163), (63, 37217),

Gene: Eviarto_53 Start: 38931, Stop: 39272, Start Num: 44
Candidate Starts for Eviarto_53:
(Start: 33 @38871 has 8 MA's), (Start: 44 @38931 has 62 MA's), (47, 38964), (48, 38970), (52, 39039), (54, 39069), (59, 39111), (63, 39165),

Gene: Farewell_70 Start: 47627, Stop: 47992, Start Num: 44
Candidate Starts for Farewell_70:
(Start: 44 @47627 has 62 MA's), (56, 47789), (63, 47873), (68, 47948),

Gene: Floral_50 Start: 38339, Stop: 38680, Start Num: 44
Candidate Starts for Floral_50:
(Start: 33 @38279 has 8 MA's), (Start: 44 @38339 has 62 MA's), (47, 38372), (48, 38378), (49, 38432), (51, 38444), (52, 38447), (54, 38477), (59, 38519), (63, 38573),

Gene: Francois_48 Start: 35275, Stop: 35625, Start Num: 40
Candidate Starts for Francois_48:
(Start: 40 @35275 has 17 MA's), (45, 35344), (49, 35422), (50, 35425), (53, 35464), (61, 35524), (65, 35608),

Gene: GlobiWarming_52 Start: 32737, Stop: 33087, Start Num: 44
Candidate Starts for GlobiWarming_52:
(19, 32554), (24, 32614), (Start: 44 @32737 has 62 MA's), (53, 32863), (69, 33079),

Gene: GrandSlam_49 Start: 35762, Stop: 36106, Start Num: 40
Candidate Starts for GrandSlam_49:

(8, 35321), (9, 35513), (11, 35546), (Start: 40 @35762 has 17 MA's), (45, 35825), (49, 35903), (50, 35906), (53, 35945), (59, 35987), (61, 36005), (65, 36089),

Gene: Grumio_73 Start: 48057, Stop: 48434, Start Num: 42
Candidate Starts for Grumio_73:
(Start: 42 @48057 has 7 MA's), (54, 48201), (55, 48210), (59, 48243), (60, 48249), (63, 48297), (67, 48354),

Gene: Hamood_49 Start: 35762, Stop: 36106, Start Num: 40
Candidate Starts for Hamood_49:
(8, 35321), (9, 35513), (11, 35546), (Start: 40 @35762 has 17 MA's), (45, 35825), (49, 35903), (50, 35906), (53, 35945), (59, 35987), (61, 36005), (65, 36089),

Gene: Heinz_45 Start: 29468, Stop: 29800, Start Num: 44
Candidate Starts for Heinz_45:
(Start: 25 @29363 has 1 MA's), (Start: 44 @29468 has 62 MA's), (59, 29648), (63, 29702), (64, 29729), (67, 29759),

Gene: Henrique_50 Start: 32220, Stop: 32570, Start Num: 44
Candidate Starts for Henrique_50:
(24, 32097), (Start: 44 @32220 has 62 MA's), (53, 32346), (69, 32562),

Gene: Herod_52 Start: 38896, Stop: 39297, Start Num: 33
Candidate Starts for Herod_52:
(Start: 33 @38896 has 8 MA's), (Start: 44 @38956 has 62 MA's), (47, 38989), (48, 38995), (52, 39064), (54, 39094), (59, 39136), (63, 39190),

Gene: Hibiscus_46 Start: 29312, Stop: 29749, Start Num: 25
Candidate Starts for Hibiscus_46:
(Start: 25 @29312 has 1 MA's), (Start: 44 @29417 has 62 MA's), (59, 29597), (63, 29651), (64, 29678), (67, 29708),

Gene: HotPotato_50 Start: 33385, Stop: 33735, Start Num: 44
Candidate Starts for HotPotato_50:
(10, 33115), (12, 33133), (24, 33262), (Start: 44 @33385 has 62 MA's), (53, 33511), (69, 33727),

Gene: Hugley_49 Start: 38955, Stop: 39296, Start Num: 44
Candidate Starts for Hugley_49:
(Start: 33 @38895 has 8 MA's), (Start: 44 @38955 has 62 MA's), (47, 38988), (48, 38994), (52, 39063), (54, 39093), (59, 39135), (63, 39189),

Gene: Hyzer_58 Start: 40287, Stop: 40625, Start Num: 44
Candidate Starts for Hyzer_58:
(13, 40050), (17, 40089), (Start: 44 @40287 has 62 MA's), (47, 40320), (48, 40326), (51, 40392), (52, 40395), (54, 40425), (58, 40464), (63, 40521),

Gene: IdentityCrisis_45 Start: 29783, Stop: 30145, Start Num: 44
Candidate Starts for IdentityCrisis_45:
(28, 29684), (38, 29741), (39, 29744), (Start: 44 @29783 has 62 MA's), (50, 29888), (51, 29897), (54, 29930), (56, 29942), (62, 30002), (63, 30026), (64, 30053),

Gene: Jablanski_53 Start: 39971, Stop: 40309, Start Num: 44
Candidate Starts for Jablanski_53:

(Start: 29 @39890 has 5 MA's), (Start: 33 @39911 has 8 MA's), (Start: 44 @39971 has 62 MA's), (51, 40076), (52, 40079), (53, 40103), (54, 40109), (58, 40148), (63, 40205),

Gene: Jojo24_44 Start: 30101, Stop: 30433, Start Num: 44
Candidate Starts for Jojo24_44:
(Start: 26 @29999 has 2 MA's), (34, 30053), (Start: 44 @30101 has 62 MA's), (59, 30281), (63, 30335), (64, 30362), (67, 30392),

Gene: Jollymon_73 Start: 48579, Stop: 48956, Start Num: 42
Candidate Starts for Jollymon_73:
(Start: 42 @48579 has 7 MA's), (54, 48723), (55, 48732), (59, 48765), (60, 48771), (63, 48819), (67, 48876),

Gene: Judy_53 Start: 33805, Stop: 34155, Start Num: 44
Candidate Starts for Judy_53:
(19, 33622), (24, 33682), (Start: 44 @33805 has 62 MA's), (53, 33931), (69, 34147),

Gene: KayMoney_50 Start: 32316, Stop: 32666, Start Num: 44
Candidate Starts for KayMoney_50:
(24, 32193), (Start: 44 @32316 has 62 MA's), (53, 32442), (69, 32658),

Gene: KingstonB_71 Start: 48054, Stop: 48431, Start Num: 42
Candidate Starts for KingstonB_71:
(Start: 42 @48054 has 7 MA's), (54, 48198), (55, 48207), (59, 48240), (60, 48246), (63, 48294), (67, 48351),

Gene: Kita_53 Start: 36911, Stop: 37333, Start Num: 29
Candidate Starts for Kita_53:
(Start: 29 @36911 has 5 MA's), (Start: 33 @36932 has 8 MA's), (41, 36977), (Start: 44 @36992 has 62 MA's), (47, 37025), (48, 37031), (52, 37100), (59, 37172), (63, 37226),

Gene: Lilas_51 Start: 39323, Stop: 39664, Start Num: 44
Candidate Starts for Lilas_51:
(Start: 33 @39263 has 8 MA's), (Start: 44 @39323 has 62 MA's), (47, 39356), (48, 39362), (52, 39431), (54, 39461), (59, 39503), (63, 39557),

Gene: LilyBell_51 Start: 32964, Stop: 33314, Start Num: 44
Candidate Starts for LilyBell_51:
(24, 32844), (Start: 44 @32964 has 62 MA's), (69, 33306),

Gene: LittleRon_47 Start: 31913, Stop: 32263, Start Num: 44
Candidate Starts for LittleRon_47:
(24, 31790), (Start: 44 @31913 has 62 MA's), (53, 32039), (69, 32255),

Gene: LordFarquaad_49 Start: 34016, Stop: 34438, Start Num: 29
Candidate Starts for LordFarquaad_49:
(Start: 29 @34016 has 5 MA's), (Start: 33 @34037 has 8 MA's), (Start: 44 @34097 has 62 MA's), (47, 34130), (48, 34136), (52, 34205), (59, 34277), (63, 34331),

Gene: Madavieve_47 Start: 36324, Stop: 36668, Start Num: 44
Candidate Starts for Madavieve_47:
(Start: 29 @36243 has 5 MA's), (Start: 33 @36264 has 8 MA's), (Start: 44 @36324 has 62 MA's), (47, 36363), (48, 36369), (51, 36435), (52, 36438), (58, 36507), (63, 36564),

Gene: Madeline_50 Start: 37918, Stop: 38256, Start Num: 44
Candidate Starts for Madeline_50:
(Start: 29 @37837 has 5 MA's), (Start: 33 @37858 has 8 MA's), (Start: 44 @37918 has 62 MA's), (47, 37951), (48, 37957), (52, 38026), (54, 38056), (58, 38095), (63, 38152),

Gene: Makar_74 Start: 48403, Stop: 48780, Start Num: 42
Candidate Starts for Makar_74:
(22, 48262), (Start: 33 @48346 has 8 MA's), (Start: 42 @48403 has 7 MA's), (55, 48556), (59, 48589), (60, 48595), (63, 48643), (67, 48700),

Gene: Malibo_53 Start: 37659, Stop: 37997, Start Num: 44
Candidate Starts for Malibo_53:
(Start: 29 @37578 has 5 MA's), (Start: 33 @37599 has 8 MA's), (Start: 44 @37659 has 62 MA's), (47, 37692), (51, 37764), (52, 37767), (53, 37791), (54, 37797), (58, 37836), (63, 37893),

Gene: Manasvini_53 Start: 37007, Stop: 37348, Start Num: 44
Candidate Starts for Manasvini_53:
(Start: 29 @36926 has 5 MA's), (Start: 33 @36947 has 8 MA's), (41, 36992), (Start: 44 @37007 has 62 MA's), (47, 37040), (48, 37046), (52, 37115), (59, 37187), (63, 37241),

Gene: Mao1_67 Start: 49765, Stop: 50103, Start Num: 40
Candidate Starts for Mao1_67:
(22, 49660), (Start: 40 @49765 has 17 MA's), (46, 49834), (47, 49837), (59, 49981), (60, 49987),

Gene: Maridalia_53 Start: 37156, Stop: 37497, Start Num: 44
Candidate Starts for Maridalia_53:
(Start: 29 @37075 has 5 MA's), (Start: 33 @37096 has 8 MA's), (Start: 44 @37156 has 62 MA's), (47, 37189), (48, 37195), (51, 37261), (52, 37264), (54, 37294), (59, 37336), (63, 37390),

Gene: Marteena_49 Start: 36879, Stop: 37220, Start Num: 44
Candidate Starts for Marteena_49:
(Start: 33 @36819 has 8 MA's), (Start: 44 @36879 has 62 MA's), (47, 36912), (48, 36918), (52, 36987), (54, 37017), (59, 37059), (63, 37113),

Gene: Mask_65 Start: 52047, Stop: 52385, Start Num: 40
Candidate Starts for Mask_65:
(Start: 40 @52047 has 17 MA's), (46, 52116), (47, 52119), (59, 52263), (60, 52269),

Gene: Mulch_49 Start: 35279, Stop: 35623, Start Num: 40
Candidate Starts for Mulch_49:
(8, 34844), (9, 35036), (11, 35069), (Start: 40 @35279 has 17 MA's), (45, 35342), (49, 35420), (50, 35423), (53, 35462), (61, 35522), (65, 35606),

Gene: Nadeem_49 Start: 35279, Stop: 35623, Start Num: 40
Candidate Starts for Nadeem_49:
(8, 34844), (9, 35036), (11, 35069), (Start: 40 @35279 has 17 MA's), (45, 35342), (49, 35420), (50, 35423), (53, 35462), (61, 35522), (65, 35606),

Gene: Neobush_52 Start: 36917, Stop: 37318, Start Num: 33
Candidate Starts for Neobush_52:
(Start: 29 @36896 has 5 MA's), (Start: 33 @36917 has 8 MA's), (41, 36962), (Start: 44 @36977 has 62 MA's), (47, 37010), (48, 37016), (52, 37085), (59, 37157), (63, 37211),

Gene: NidoQ_47 Start: 32420, Stop: 32770, Start Num: 44
Candidate Starts for NidoQ_47:
(Start: 44 @32420 has 62 MA's), (69, 32762),

Gene: NikkiHotWheels_50 Start: 32296, Stop: 32646, Start Num: 44
Candidate Starts for NikkiHotWheels_50:
(24, 32173), (Start: 44 @32296 has 62 MA's), (53, 32422), (69, 32638),

Gene: Nymphadora_53 Start: 38895, Stop: 39296, Start Num: 33
Candidate Starts for Nymphadora_53:
(Start: 33 @38895 has 8 MA's), (Start: 44 @38955 has 62 MA's), (47, 38988), (48, 38994), (52, 39063), (54, 39093), (59, 39135), (63, 39189),

Gene: PantheRoc_53 Start: 37764, Stop: 38102, Start Num: 44
Candidate Starts for PantheRoc_53:
(Start: 29 @37683 has 5 MA's), (Start: 33 @37704 has 8 MA's), (Start: 44 @37764 has 62 MA's), (47, 37797), (48, 37803), (51, 37869), (52, 37872), (54, 37902), (58, 37941), (63, 37998),

Gene: Parada_49 Start: 35279, Stop: 35623, Start Num: 40
Candidate Starts for Parada_49:
(8, 34844), (9, 35036), (11, 35069), (Start: 40 @35279 has 17 MA's), (45, 35342), (49, 35420), (50, 35423), (53, 35462), (61, 35522), (65, 35606),

Gene: PeggyLeg03_50 Start: 32983, Stop: 33333, Start Num: 44
Candidate Starts for PeggyLeg03_50:
(19, 32800), (24, 32860), (Start: 44 @32983 has 62 MA's), (53, 33109), (69, 33325),

Gene: Phayonce_49 Start: 35927, Stop: 36265, Start Num: 40
Candidate Starts for Phayonce_49:
(22, 35822), (Start: 40 @35927 has 17 MA's), (46, 35996), (47, 35999), (59, 36143), (60, 36149),

Gene: Pickett_45 Start: 31280, Stop: 31621, Start Num: 44
Candidate Starts for Pickett_45:
(Start: 29 @31199 has 5 MA's), (Start: 33 @31220 has 8 MA's), (Start: 44 @31280 has 62 MA's), (47, 31313), (48, 31319), (52, 31388), (59, 31460), (63, 31514),

Gene: Pimento_50 Start: 34876, Stop: 35220, Start Num: 40
Candidate Starts for Pimento_50:
(8, 34435), (9, 34627), (11, 34660), (Start: 40 @34876 has 17 MA's), (45, 34939), (49, 35017), (50, 35020), (53, 35059), (59, 35101), (61, 35119), (65, 35203),

Gene: Pollux_52 Start: 38339, Stop: 38680, Start Num: 44
Candidate Starts for Pollux_52:
(Start: 33 @38279 has 8 MA's), (Start: 44 @38339 has 62 MA's), (47, 38372), (48, 38378), (49, 38432), (51, 38444), (52, 38447), (54, 38477), (59, 38519), (63, 38573),

Gene: Polly_49 Start: 36426, Stop: 36767, Start Num: 44
Candidate Starts for Polly_49:
(Start: 29 @36345 has 5 MA's), (Start: 33 @36366 has 8 MA's), (41, 36411), (Start: 44 @36426 has 62 MA's), (47, 36459), (48, 36465), (52, 36534), (59, 36606), (63, 36660),

Gene: Posh_56 Start: 39701, Stop: 40042, Start Num: 44

Candidate Starts for Posh_56:
(20, 39548), (Start: 29 @39620 has 5 MA's), (Start: 33 @39641 has 8 MA's), (Start: 44 @39701 has 62 MA's), (47, 39734), (48, 39740), (49, 39794), (52, 39809), (54, 39839), (59, 39881), (63, 39935),

Gene: Pucara_47 Start: 32588, Stop: 32938, Start Num: 44
Candidate Starts for Pucara_47:
(19, 32405), (24, 32465), (Start: 44 @32588 has 62 MA's), (53, 32714), (69, 32930),

Gene: Purplicious_72 Start: 47822, Stop: 48199, Start Num: 42
Candidate Starts for Purplicious_72:
(Start: 42 @47822 has 7 MA's), (54, 47966), (55, 47975), (59, 48008), (60, 48014), (63, 48062), (67, 48119),

Gene: Pytheas_53 Start: 39970, Stop: 40308, Start Num: 44
Candidate Starts for Pytheas_53:
(Start: 29 @39889 has 5 MA's), (Start: 33 @39910 has 8 MA's), (Start: 44 @39970 has 62 MA's), (51, 40075), (52, 40078), (53, 40102), (54, 40108), (58, 40147), (63, 40204),

Gene: RavenCo17_50 Start: 37160, Stop: 37501, Start Num: 44
Candidate Starts for RavenCo17_50:
(Start: 33 @37100 has 8 MA's), (Start: 44 @37160 has 62 MA's), (48, 37199), (52, 37268), (54, 37298), (59, 37340), (63, 37394),

Gene: Reyja_45 Start: 30436, Stop: 30870, Start Num: 26
Candidate Starts for Reyja_45:
(Start: 26 @30436 has 2 MA's), (30, 30460), (35, 30496), (Start: 44 @30538 has 62 MA's), (48, 30577), (59, 30718), (63, 30772), (64, 30799), (67, 30829),

Gene: RootBeer_40 Start: 28714, Stop: 29064, Start Num: 44
Candidate Starts for RootBeer_40:
(7, 28189), (15, 28474), (24, 28588), (Start: 44 @28714 has 62 MA's), (53, 28840), (69, 29056),

Gene: Ruthy_49 Start: 37599, Stop: 37937, Start Num: 44
Candidate Starts for Ruthy_49:
(14, 37404), (Start: 29 @37518 has 5 MA's), (Start: 33 @37539 has 8 MA's), (Start: 44 @37599 has 62 MA's), (51, 37704), (52, 37707), (53, 37731), (54, 37737), (58, 37776), (63, 37833),

Gene: Santhid_44 Start: 28817, Stop: 29149, Start Num: 44
Candidate Starts for Santhid_44:
(Start: 26 @28724 has 2 MA's), (34, 28769), (Start: 44 @28817 has 62 MA's), (59, 28997), (63, 29051), (64, 29078), (67, 29108),

Gene: SoilAssassin_47 Start: 34034, Stop: 34456, Start Num: 29
Candidate Starts for SoilAssassin_47:
(Start: 29 @34034 has 5 MA's), (Start: 33 @34055 has 8 MA's), (Start: 44 @34115 has 62 MA's), (47, 34148), (48, 34154), (52, 34223), (59, 34295), (63, 34349),

Gene: Soos_69 Start: 47783, Stop: 48160, Start Num: 42
Candidate Starts for Soos_69:
(Start: 42 @47783 has 7 MA's), (54, 47927), (55, 47936), (59, 47969), (60, 47975), (63, 48023), (67, 48080),

Gene: Sparky_69 Start: 49221, Stop: 49586, Start Num: 44

Candidate Starts for Sparky_69:
(Start: 44 @49221 has 62 MA's), (56, 49383), (63, 49467), (68, 49542),

Gene: Stillion_72 Start: 48380, Stop: 48757, Start Num: 42
Candidate Starts for Stillion_72:
(Start: 42 @48380 has 7 MA's), (54, 48524), (55, 48533), (59, 48566), (60, 48572), (63, 48620), (67, 48677),

Gene: Sting_72 Start: 48222, Stop: 48599, Start Num: 42
Candidate Starts for Sting_72:
(Start: 42 @48222 has 7 MA's), (54, 48366), (55, 48375), (59, 48408), (60, 48414), (63, 48462), (67, 48519),

Gene: Suscepit_52 Start: 36924, Stop: 37325, Start Num: 33
Candidate Starts for Suscepit_52:
(Start: 29 @36903 has 5 MA's), (Start: 33 @36924 has 8 MA's), (41, 36969), (Start: 44 @36984 has 62 MA's), (47, 37017), (48, 37023), (52, 37092), (59, 37164), (63, 37218),

Gene: SushiChef_49 Start: 37924, Stop: 38265, Start Num: 44
Candidate Starts for SushiChef_49:
(Start: 29 @37843 has 5 MA's), (Start: 33 @37864 has 8 MA's), (Start: 44 @37924 has 62 MA's), (47, 37957), (48, 37963), (51, 38029), (52, 38032), (54, 38062), (59, 38104), (63, 38158),

Gene: TPA4_48 Start: 36926, Stop: 37252, Start Num: 43
Candidate Starts for TPA4_48:
(Start: 29 @36851 has 5 MA's), (36, 36887), (43, 36926),

Gene: Tarzan_45 Start: 29828, Stop: 30262, Start Num: 26
Candidate Starts for Tarzan_45:
(23, 29789), (Start: 26 @29828 has 2 MA's), (30, 29852), (35, 29888), (Start: 44 @29930 has 62 MA's), (59, 30110), (63, 30164), (64, 30191), (67, 30221),

Gene: Tayonia_52 Start: 36923, Stop: 37324, Start Num: 33
Candidate Starts for Tayonia_52:
(Start: 29 @36902 has 5 MA's), (Start: 33 @36923 has 8 MA's), (41, 36968), (Start: 44 @36983 has 62 MA's), (47, 37016), (48, 37022), (52, 37091), (59, 37163), (63, 37217),

Gene: ThankyouJordi_51 Start: 38831, Stop: 39172, Start Num: 44
Candidate Starts for ThankyouJordi_51:
(20, 38699), (Start: 29 @38750 has 5 MA's), (31, 38756), (Start: 33 @38771 has 8 MA's), (Start: 44 @38831 has 62 MA's), (47, 38864), (48, 38870), (52, 38939), (54, 38969), (59, 39011), (63, 39065),

Gene: Thimann_50 Start: 35140, Stop: 35481, Start Num: 44
Candidate Starts for Thimann_50:
(16, 34921), (18, 34945), (27, 35050), (Start: 29 @35059 has 5 MA's), (31, 35065), (Start: 33 @35080 has 8 MA's), (37, 35095), (Start: 40 @35104 has 17 MA's), (Start: 44 @35140 has 62 MA's), (48, 35179), (52, 35248), (54, 35278), (59, 35320), (63, 35374),

Gene: TimTam_53 Start: 38955, Stop: 39296, Start Num: 44
Candidate Starts for TimTam_53:
(Start: 33 @38895 has 8 MA's), (Start: 44 @38955 has 62 MA's), (47, 38988), (48, 38994), (52, 39063), (54, 39093), (59, 39135), (63, 39189),

Gene: Tonitrus_60 Start: 44575, Stop: 44943, Start Num: 44
Candidate Starts for Tonitrus_60:
(Start: 44 @44575 has 62 MA's), (51, 44683), (52, 44686), (56, 44728), (57, 44737), (59, 44755), (66, 44860), (67, 44866),

Gene: Trumpet_52 Start: 36924, Stop: 37325, Start Num: 33
Candidate Starts for Trumpet_52:
(Start: 29 @36903 has 5 MA's), (Start: 33 @36924 has 8 MA's), (41, 36969), (Start: 44 @36984 has 62 MA's), (47, 37017), (48, 37023), (52, 37092), (59, 37164), (63, 37218),

Gene: Vasanti_49 Start: 33529, Stop: 33870, Start Num: 44
Candidate Starts for Vasanti_49:
(Start: 29 @33448 has 5 MA's), (31, 33454), (Start: 33 @33469 has 8 MA's), (Start: 44 @33529 has 62 MA's), (47, 33562), (48, 33568), (52, 33637), (54, 33667), (59, 33709), (63, 33763),

Gene: WST1_46 Start: 29640, Stop: 30002, Start Num: 44
Candidate Starts for WST1_46:
(28, 29541), (38, 29598), (39, 29601), (Start: 44 @29640 has 62 MA's), (51, 29754), (54, 29787), (56, 29799), (62, 29859), (63, 29883), (64, 29910),

Gene: WelcomeAyanna_51 Start: 38978, Stop: 39319, Start Num: 44
Candidate Starts for WelcomeAyanna_51:
(20, 38846), (Start: 29 @38897 has 5 MA's), (31, 38903), (Start: 33 @38918 has 8 MA's), (Start: 44 @38978 has 62 MA's), (47, 39011), (48, 39017), (52, 39086), (54, 39116), (59, 39158), (63, 39212),

Gene: Wrigley_58 Start: 39293, Stop: 39631, Start Num: 44
Candidate Starts for Wrigley_58:
(Start: 29 @39212 has 5 MA's), (Start: 33 @39233 has 8 MA's), (Start: 44 @39293 has 62 MA's), (51, 39398), (52, 39401), (53, 39425), (58, 39470), (63, 39527),

Gene: Yeet412_47 Start: 34116, Stop: 34457, Start Num: 44
Candidate Starts for Yeet412_47:
(Start: 29 @34035 has 5 MA's), (Start: 33 @34056 has 8 MA's), (Start: 44 @34116 has 62 MA's), (47, 34149), (48, 34155), (52, 34224), (59, 34296), (63, 34350),

Gene: Yeezy_50 Start: 35894, Stop: 36232, Start Num: 44
Candidate Starts for Yeezy_50:
(13, 35657), (Start: 44 @35894 has 62 MA's), (47, 35927), (51, 35999), (52, 36002), (53, 36026), (54, 36032), (58, 36071), (63, 36128),

Gene: Zameen_52 Start: 36923, Stop: 37324, Start Num: 33
Candidate Starts for Zameen_52:
(Start: 29 @36902 has 5 MA's), (Start: 33 @36923 has 8 MA's), (41, 36968), (Start: 44 @36983 has 62 MA's), (47, 37016), (48, 37022), (52, 37091), (59, 37163), (63, 37217),

Gene: Zirinka_49 Start: 37603, Stop: 37944, Start Num: 44
Candidate Starts for Zirinka_49:
(Start: 29 @37522 has 5 MA's), (Start: 33 @37543 has 8 MA's), (Start: 44 @37603 has 62 MA's), (47, 37636), (48, 37642), (52, 37711), (59, 37783), (63, 37837),

Gene: Zodiariah_51 Start: 39555, Stop: 39896, Start Num: 44
Candidate Starts for Zodiariah_51:

(Start: 29 @39474 has 5 MA's), (Start: 33 @39495 has 8 MA's), (37, 39510), (Start: 44 @39555 has 62 MA's), (47, 39588), (48, 39594), (51, 39660), (52, 39663), (54, 39693), (59, 39735), (63, 39789),